

BEST AVAILABLE COPY

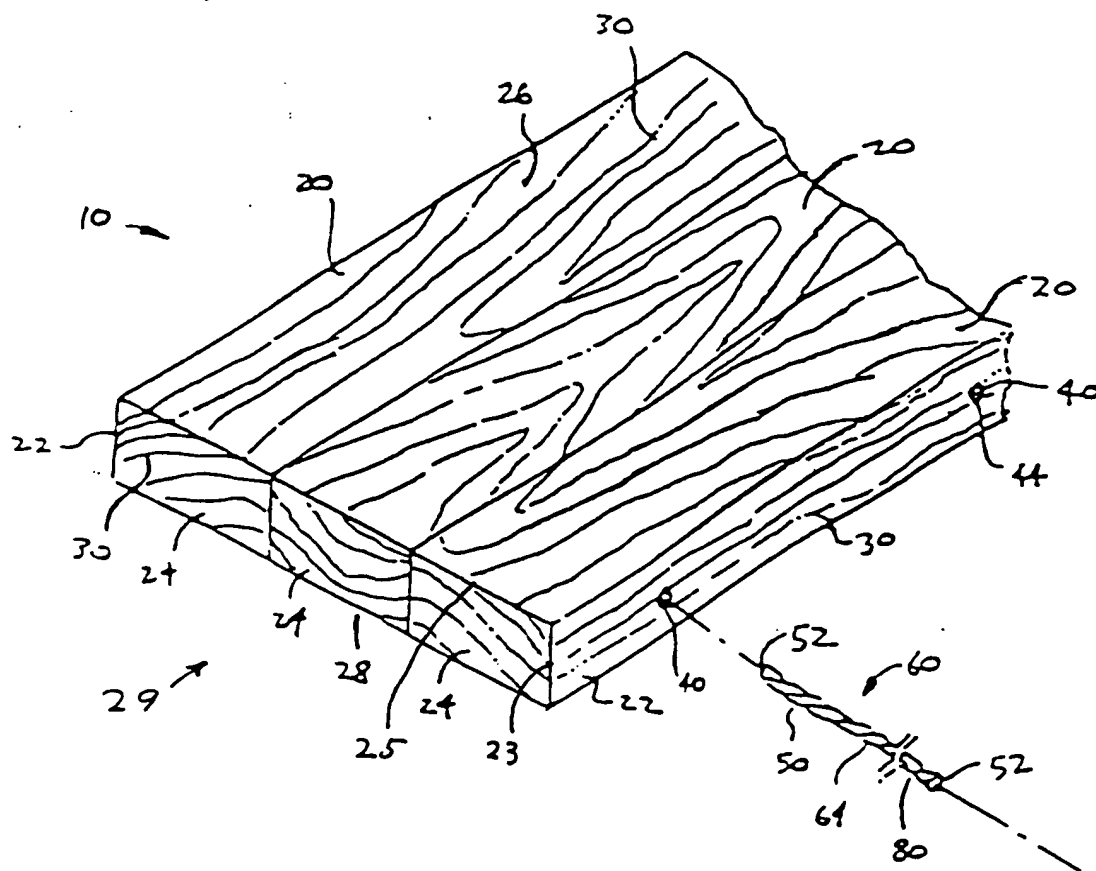


FIG. 1

10035998-122501

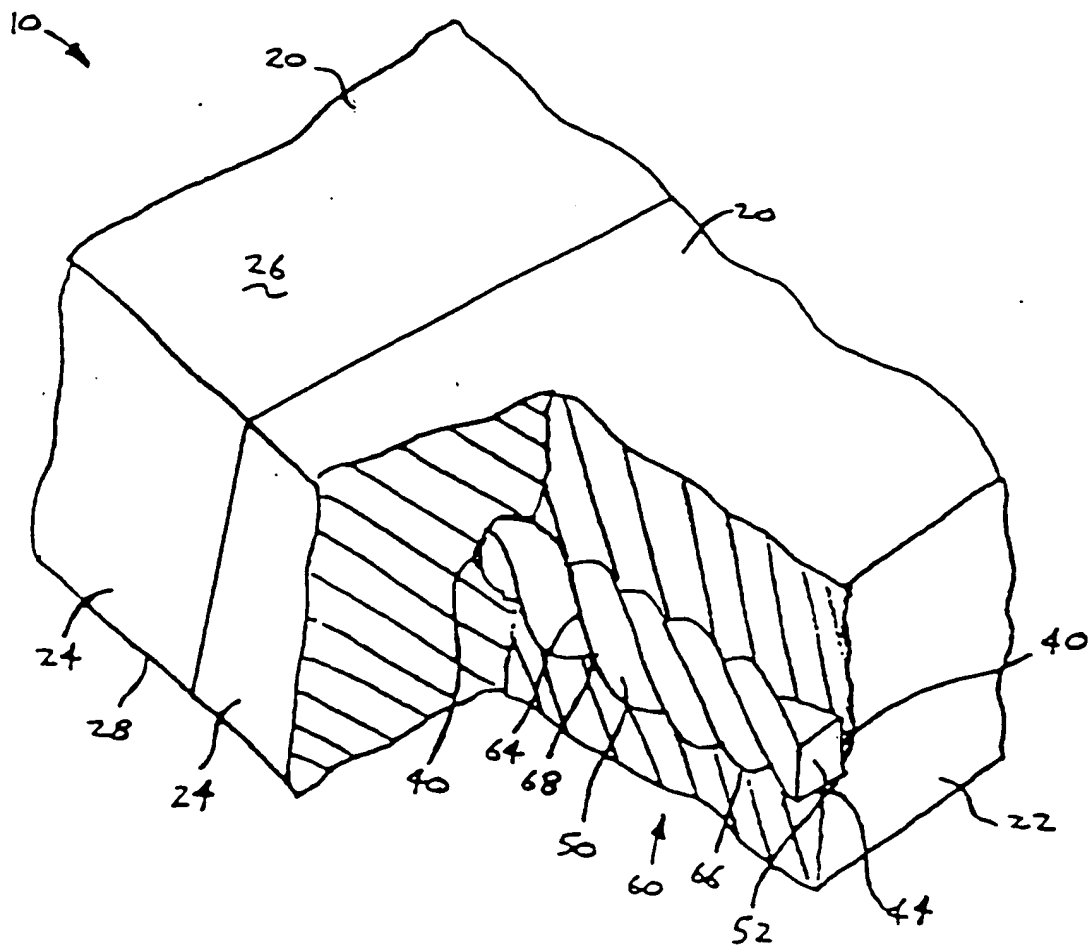


FIG. 2

FOOT BESEET

100

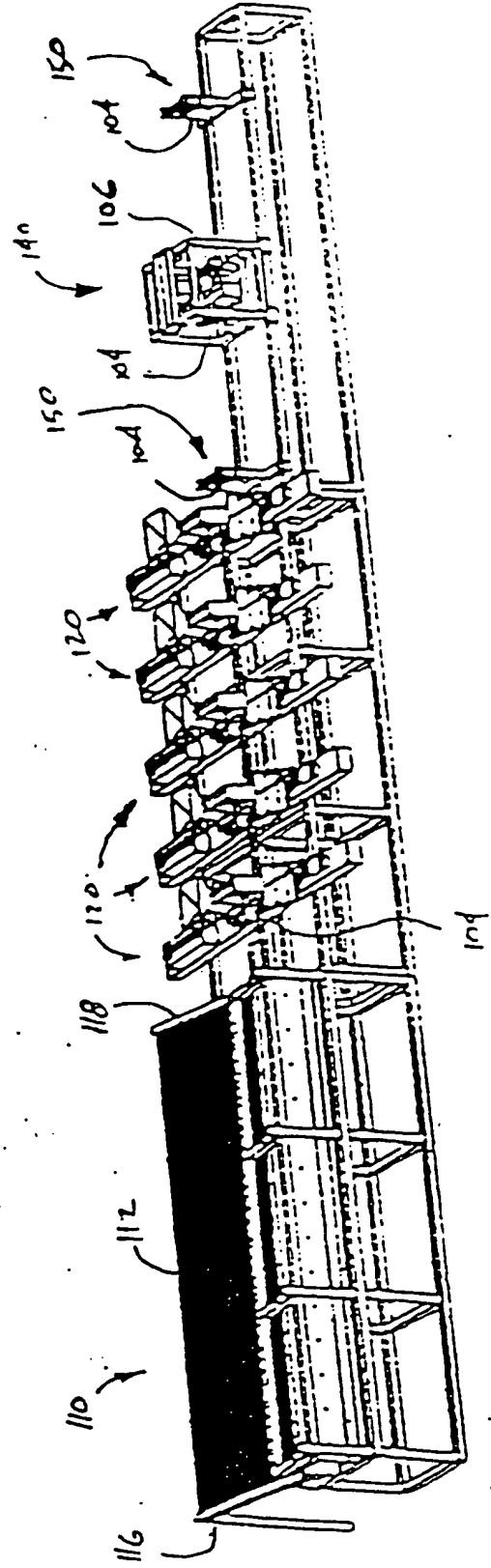


Fig. 3

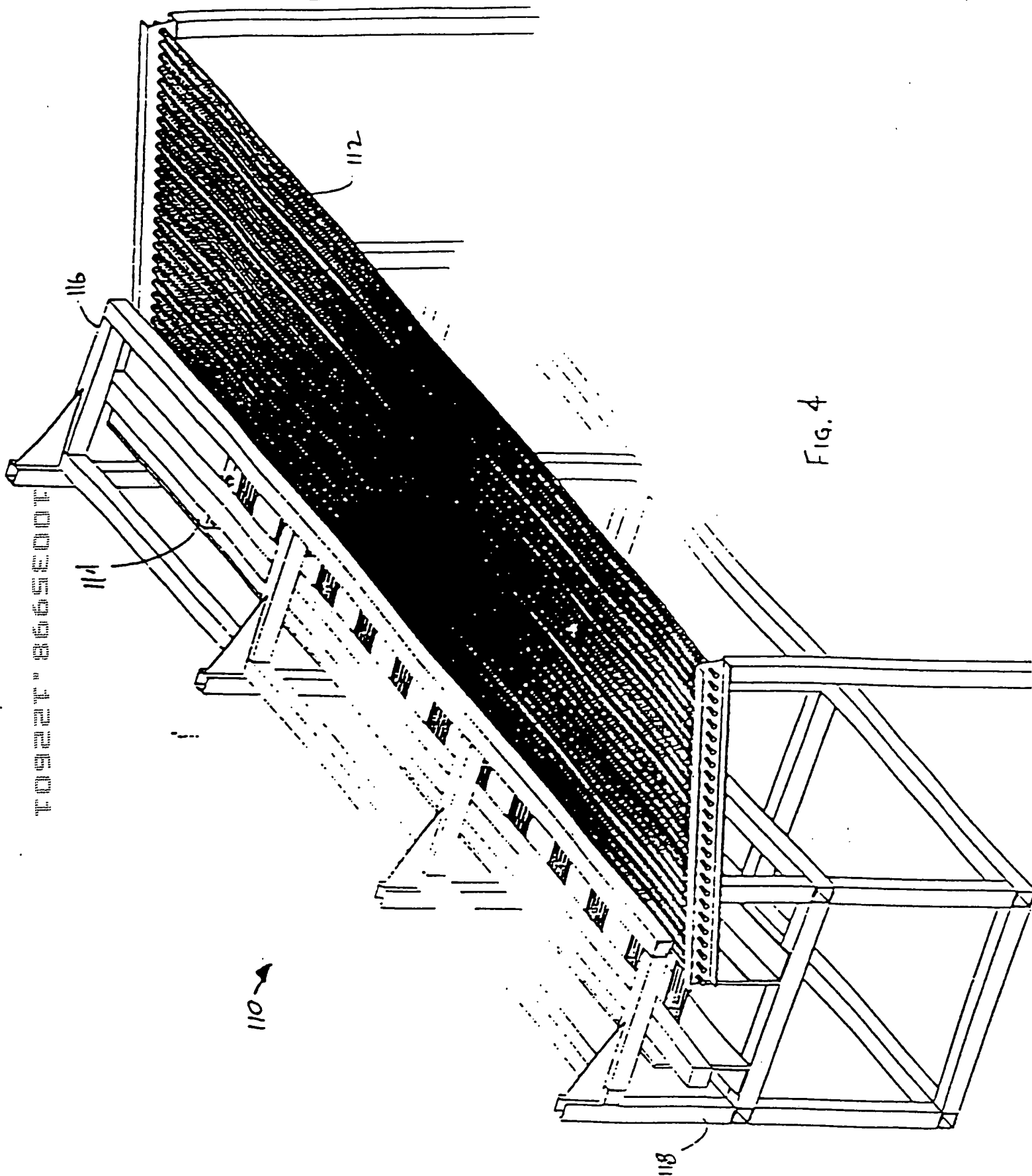


FIG. 4

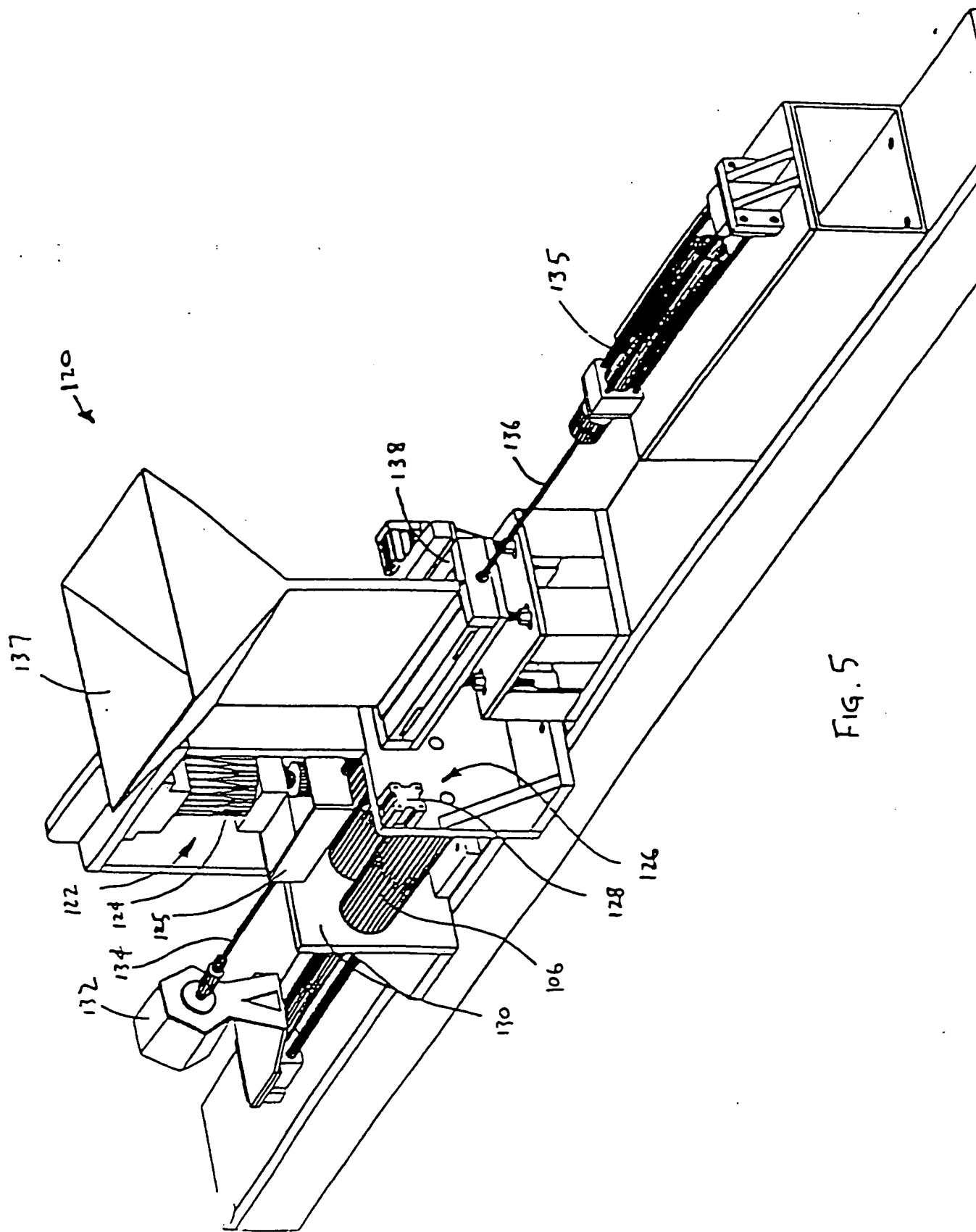


FIG. 5

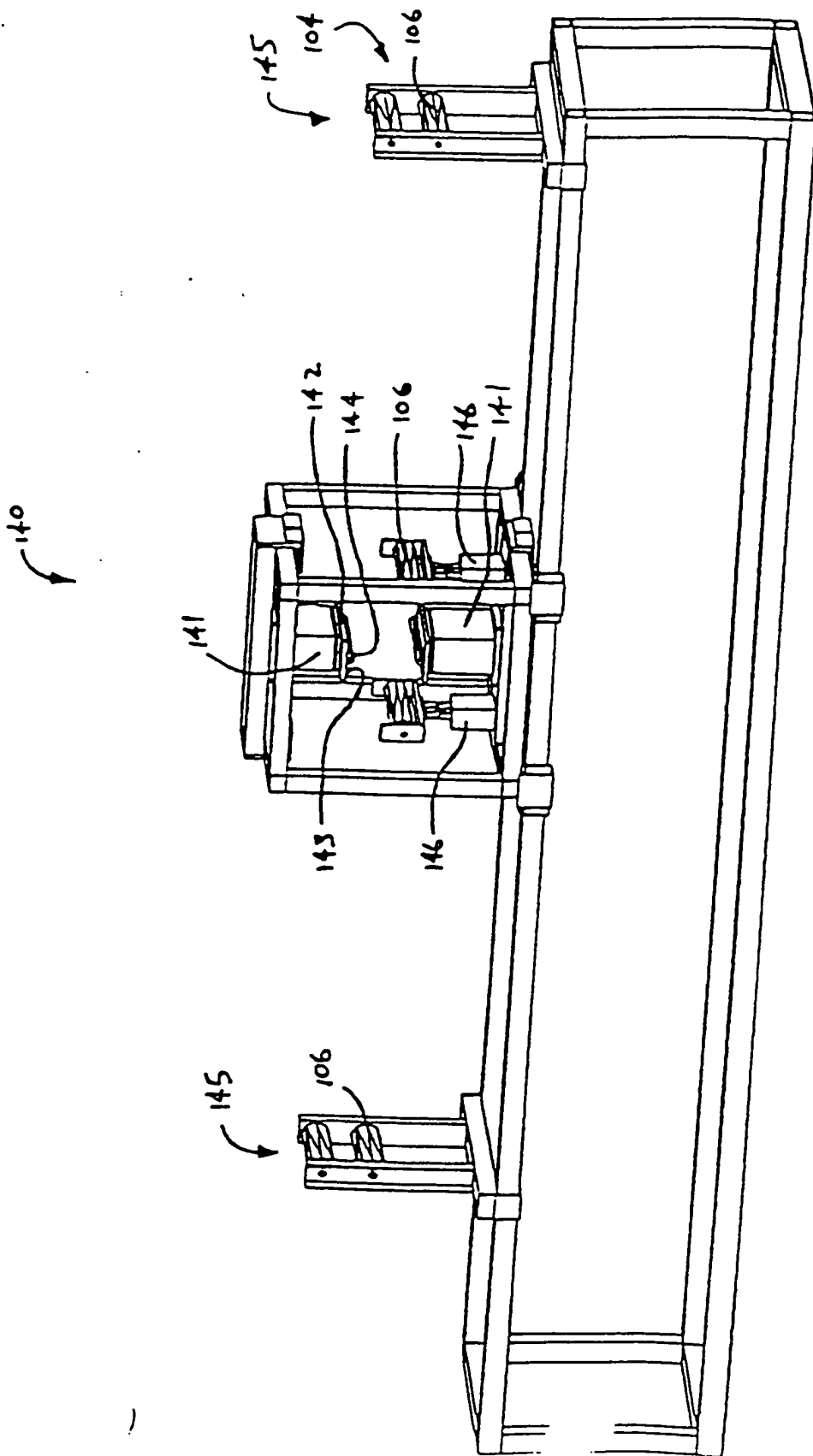


FIG. 6

1005998-12601

HEE S/N	Side	Date Marked on Board	Test 1	Test 2	Test 3
			Deflection @ 500 lbs, in.	Deflection 1 Board @ 500 lbs, in.	Max Load, lbs/Deflection/Failure
1	A	12-94	1.975	2.282	1527 lbs/6.385"/simple tension
1	B	12-94	2.002	2.034	
2	A	12-94	2.378	2.308	1648 lbs/7.760"/full deflection reached with no failure
2	B	12-94	2.508	2.271	
3	A	12-94	2.157	2.124	1652 lbs/6.844"/simple tension
3	B	12-94	1.996	2.051	
4	A	11-94	2.002	2.174	1774 lbs/7.438"/full deflection reached with no failure
4	B	11-94	2.005	2.112	
5	A	11-94	1.594	N/A	2147 lbs/6.785"/cross-grain tension failure
5	B	11-94	1.810	N/A	
6	A	11-94	1.914	N/A	1009 lbs/4.275"/simple tension
6	B	11-94	2.081	N/A	

FIG. 7

Figure 8

COMPARISON RESULTS			
	Pinned	Solid	Laminated
Modulus of Elasticity	2.0×10^6	1.8×10^6	2.15×10^6
Flexural Stress	2,600 psi	2,200 psi	2,900 psi
Horizontal Shear Stress	120 psi	90 psi	145 psi

Figure 9

FAILURE RESULTS		
Type of Board	Average Failure Load (lbs)	Comments
Pinned	2,700 psi	One member out of three fail first
Solid	2,200 psi	Whole unit fails
Laminated	2,400 psi	Whole unit fails

Figure 10

DEFLECTION RESULTS		
Type of Board (7 ft span)	Deflection @ 50 psf Load (in)	OSHA Allowable Deflection (in)
Pinned	0.73	1.4
Solid	0.81	1.4
Laminated	0.73	1.4

1003693-12601

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS

☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☒ FADED TEXT OR DRAWING

☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.